

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR2005/050018

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C01D15/04 C30B29/12 G01N23/223 C01F5/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C01D C30B G01N C01F G21K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BARSIS E ET AL: "IONIC CONDUCTIVITY OF MGF2-DOPED LIF CRYSTALS" THE BRITISH CERAMIC PROCEEDINGS, STOKE-ON-TRENT, GB, vol. 9, 1967, pages 203-213, XP008035514 ISSN: 0268-4373 page 204, line 36 - page 205, line 5 page 206, line 8 - line 10; figure 1 ----- -/-	1-8, 12-16

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

7 September 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LILLEY E ET AL: "PRECIPITATION IN LIF CRYSTALS DOPED WITH MGF2" JOURNAL OF MATERIALS SCIENCE, CHAPMAN AND HALL LTD, GB, vol. 2, no. 6, 1967, pages 567-582, XP008035513 ISSN: 0022-2461 page 568, left-hand column, line 17 - right-hand column, line 22; figure 1	1-8, 12-16
A	-----	17-23
A	MURALIDHARA RAO S: "THERMOLUMINESCENCE OF QUENCHED LIF SINGLE CRYSTALS" PROCEEDINGS OF THE NUCLEAR PHYSICS AND SOLID STATE PHYSICS SYMPOSIUM, 27 December 1970 (1970-12-27), pages 225-230, XP008035515 page 225, line 20 - line 22	12,13
A	----- MOERNER, W. E. ET AL: "Persistent spectral hole burning for R' color centers in lithium fluoride crystals: statics, dynamics, and external-field effects" PHYSICAL REVIEW B: CONDENSED MATTER AND MATERIALS PHYSICS, vol. 33(8), 1986, pages 5702-5716, XP002329467 paragraph [II.A]; table I	1-8
A	----- US 5 622 659 A (SPICUZZA WILLIAM F) 22 April 1997 (1997-04-22) column 3, line 15 - line 35 column 5, line 62 - line 67; claims 1,2; table 2	1-8
A	----- US 2003/157005 A1 (KIM JANG-LYUL ET AL) 21 August 2003 (2003-08-21) paragraphs [0030], [0037]	1-5
A	----- LILLEY E: "DEBYE-HUECKEL INTERACTIONS AND SOLUBILITY IN LIF DOPED WITH MGF2" REACTIVITY OF SOLIDS, ELSEVIER, AMSTERDAM, NL, 1972, pages 56-67, XP008035516 ISSN: 0168-7336 page 57, line 21 - line 32	1-8
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